

Title (en)

Collimator control method and apparatus, and X-ray CT apparatus

Title (de)

Verfahren und Vorrichtung zur Steuerung eines Kollimators, und Röntgenstrahlungen-Computertomograph

Title (fr)

Procédé et dispositif de commande d'un collimateur et dispositif de tomographie à rayons-x assistée par ordinateur

Publication

EP 1205941 A3 20040630 (EN)

Application

EP 01309384 A 20011106

Priority

JP 2000341412 A 20001109

Abstract (en)

[origin: EP1205941A2] In order to control a collimator so that an X-ray impingement position on an X-ray detector is kept constant, an error of the impingement position of a fan-shaped beam (400) in the direction of side-by-side arrangement of a plurality of detector element rows in a detector element array (24) is detected (101), and the collimator is controlled (103) based on the detected error so that the impingement position of the fan-shaped beam is kept at a constant position. <IMAGE>

IPC 1-7

G21K 1/04

IPC 8 full level

A61B 6/03 (2006.01); **A61B 6/00** (2006.01); **A61B 6/06** (2006.01); **G21K 1/04** (2006.01)

CPC (source: EP KR US)

A61B 6/00 (2013.01 - KR); **A61B 6/06** (2013.01 - EP US); **G21K 1/04** (2013.01 - EP US); **A61B 6/4021** (2013.01 - EP US)

Citation (search report)

- [XY] WO 0030538 A1 20000602 - GEN ELECTRIC [US]
- [XA] US 5550886 A 19960827 - DOBBS JOHN [US], et al
- [X] US 5299250 A 19940329 - STYRNOL SIEGFRIED [DE], et al
- [X] EP 0453174 A2 19911023 - GEN ELECTRIC [US]
- [A] US 5563924 A 19961008 - WINKELMANN HELMUT [DE]
- [Y] DATABASE WPI Section EI Week 199516, Derwent World Patents Index; Class U22, AN 1995-120682, XP002278245

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 01309384 A 20011106; CN 01138428 A 20011109; JP 2000341412 A 20001109; KR 20010069368 A 20011108; US 95099701 A 20010912